

Title (en)  
FLAT GASKET, IN PARTICULAR CYLINDER-HEAD GASKET

Title (de)  
FLACHDICHTUNG, INSBESONDERE ZYLINDERKOPFDICHTUNG

Title (fr)  
JOINT PLAT, EN PARTICULIER JOINT DE CULASSE

Publication  
**EP 1601892 B1 20070110 (DE)**

Application  
**EP 04714716 A 20040226**

Priority  
• DE 2004000358 W 20040226  
• DE 10310683 A 20030312

Abstract (en)  
[origin: WO2004081424A1] The invention relates to a flat gasket, in particular a cylinder-head gasket for internal combustion engines, comprising at least one support element, in particular a metallic element (7), which is provided with at least one passage (2) on the combustion chamber side. According to the invention, the passage (2) is surrounded by a concentric stopper element and at least one concentric elastic half-bead (13, 14) that is inserted into a metallic functional position. Said half-bead lies in a direct force fit against the stopper element (12), the latter having a greater thickness than that of the support element (7).

IPC 8 full level  
**F16J 15/08** (2006.01); **F02F 11/00** (2006.01)

CPC (source: EP US)  
**F02F 11/002** (2013.01 - EP US); **F16J 15/0825** (2013.01 - EP US); **F16J 2015/085** (2013.01 - EP US); **F16J 2015/0862** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004081424 A1 20040923**; CN 100353095 C 20071205; CN 1751194 A 20060322; DE 10310683 A1 20041007;  
DE 502004002623 D1 20070222; EP 1601892 A1 20051207; EP 1601892 B1 20070110; ES 2279351 T3 20070816; JP 2006523287 A 20061012;  
US 2006261561 A1 20061123

DOCDB simple family (application)  
**DE 2004000358 W 20040226**; CN 200480004621 A 20040226; DE 10310683 A 20030312; DE 502004002623 T 20040226;  
EP 04714716 A 20040226; ES 04714716 T 20040226; JP 2006504242 A 20040226; US 54906805 A 20050912